



National Transportation Safety Board Aviation Accident Final Report

Location:	SHREVEPORT, LA	Accident Number:	FTW85LA110
Date & Time:	02/02/1985, 1540 CST	Registration:	N20QN
Aircraft:	SWEARINGEN SA-226T	Aircraft Damage:	Substantial
Defining Event:		Injuries:	4 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

THE PLT LANDED ON RWY 05 WHICH WAS ICY AND COVERED WITH A BLANKET OF FRESH SNOW. HE STATED THE WIND WAS FROM 360 DEGS AT 10 KTS. HE HAD BEEN INFORMED OF POOR BRAKING CONDITIONS ON THE RWY. THE PLT USED MAIN WHEEL BRAKES AND REVERSE THRUST. THE ACFT DRIFTED OFF THE RIGHT SIDE OF THE RWY, WHEN THE THROTTLES WERE NEUTRALIZED, INTO THE SOFT SOD SURFACE WHERE THE NOSE GEAR COLLAPSED AND THE NOSE SECTION IMPACTED THE GROUND. THE PLT STATED SNOW COVERED A LAYER OF ICE ON THE RWY.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

Findings

1. (F) TERRAIN CONDITION - ICY
2. (F) TERRAIN CONDITION - SNOW COVERED
3. (F) WEATHER CONDITION - CROSSWIND
4. (F) WEATHER CONDITION - UNFAVORABLE WIND
5. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

Findings

6. TERRAIN CONDITION - SOFT

Occurrence #3: NOSE GEAR COLLAPSED

Phase of Operation: LANDING - ROLL

Findings

7. (F) DESIGN STRESS LIMITS OF AIRCRAFT - EXCEEDED
8. (C) LANDING GEAR, NOSE GEAR - OVERLOAD

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	62, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	09/25/1984
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	18300 hours (Total, all aircraft), 200 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	SWEARINGEN	Registration:	N20QN
Model/Series:	SA-226T SA-226T	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	T231
Landing Gear Type:	Retractable - Tricycle	Seats:	8
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	10062 lbs
Time Since Last Inspection:		Engines:	2 Turbo Prop
Airframe Total Time:		Engine Manufacturer:	AIRESEARCH
ELT:	Installed	Engine Model/Series:	PTE331-3U-303
Registered Owner:	FREEDOM AIR INC.	Rated Power:	840 hp
Operator:	FREEDOM AIR INC.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SHV, 257 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1543 CST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	12 Miles
Lowest Ceiling:	Broken / 2300 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	350°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	-2° C / -8° C
Precipitation and Obscuration:			
Departure Point:	CHATTANOOGA, TN (CHA)	Type of Flight Plan Filed:	IFR
Destination:	ED DORADO, AR (F43)	Type of Clearance:	IFR
Departure Time:	1200 CST	Type of Airspace:	Class G

Airport Information

Airport:	SHREVEPORT REGIONAL (SHV)	Runway Surface Type:	Concrete
Airport Elevation:	257 ft	Runway Surface Condition:	Snow--wet
Runway Used:	5	IFR Approach:	None
Runway Length/Width:	4821 ft / 150 ft	VFR Approach/Landing:	Straight-in

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	J O JOHNSON	Report Date:	
Additional Participating Persons:	TOM MASON; BATON ROUGE, LA		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).